

Title (en)
Organic-inorganic hybrid polymer material and process for preparing the same

Title (de)
Anorganisch-organisches Hybrid-Polymermaterial und Verfahren zu dessen Herstellung

Title (fr)
Matériau polymère hybride organique-inorganique et procédé de préparation de celui-ci

Publication
EP 0918061 A3 20001115 (EN)

Application
EP 98122067 A 19981120

Priority

- JP 32101297 A 19971121
- JP 32784297 A 19971128
- JP 5662598 A 19980309

Abstract (en)
[origin: EP0918061A2] According to the present application, the characteristics of an inorganic material are suitably supplied to an organic material, and the characteristics of an organic material are suitably supplied to an inorganic material. The organic-inorganic hybrid polymer is obtained by the process in which a polymer having a polycarbonate and/or a polyarylate moiety as a main frame and having a metal alkoxide group as a functional group, is hydrolyzed and polycondensed to form crosslinkages. Another process is that in which a polymer having a polycarbonate and/or a polyarylate moiety as a main frame and having a metal alkoxide group as a functional group, and a metal alkoxide compound are cohydrolyzed and copolycondensed to form crosslinkages.

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C08G 64/14; C08G 63/64; C08L 69/00; C08L 67/00; C08G 64/42; C08G 85/00; C08G 83/00; C08G 64/02

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CPC (source: EP US)
C08G 63/64 (2013.01 - EP US); **C08G 64/14** (2013.01 - EP US); **C08G 83/001** (2013.01 - EP US); C08G 63/916 (2013.01 - EP US); C08G 64/42 (2013.01 - EP US)

Citation (search report)

- [X] US 5175027 A 19921229 - HOLMES-FARLEY STEPHEN R [US], et al
- [X] WO 9304094 A1 19930304 - EASTMAN KODAK CO [US]
- [E] WO 9900444 A1 19990107 - PAC POLYMERS INC [US], et al

Cited by
EP1054035A3; CN106800617A; EP1016458A3; EP3461852A1; US6476098B1; WO2005073271A1; WO0125343A1; WO2006003900A1; WO2019063582A1

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